

EDOARDO

GAMBACORTA

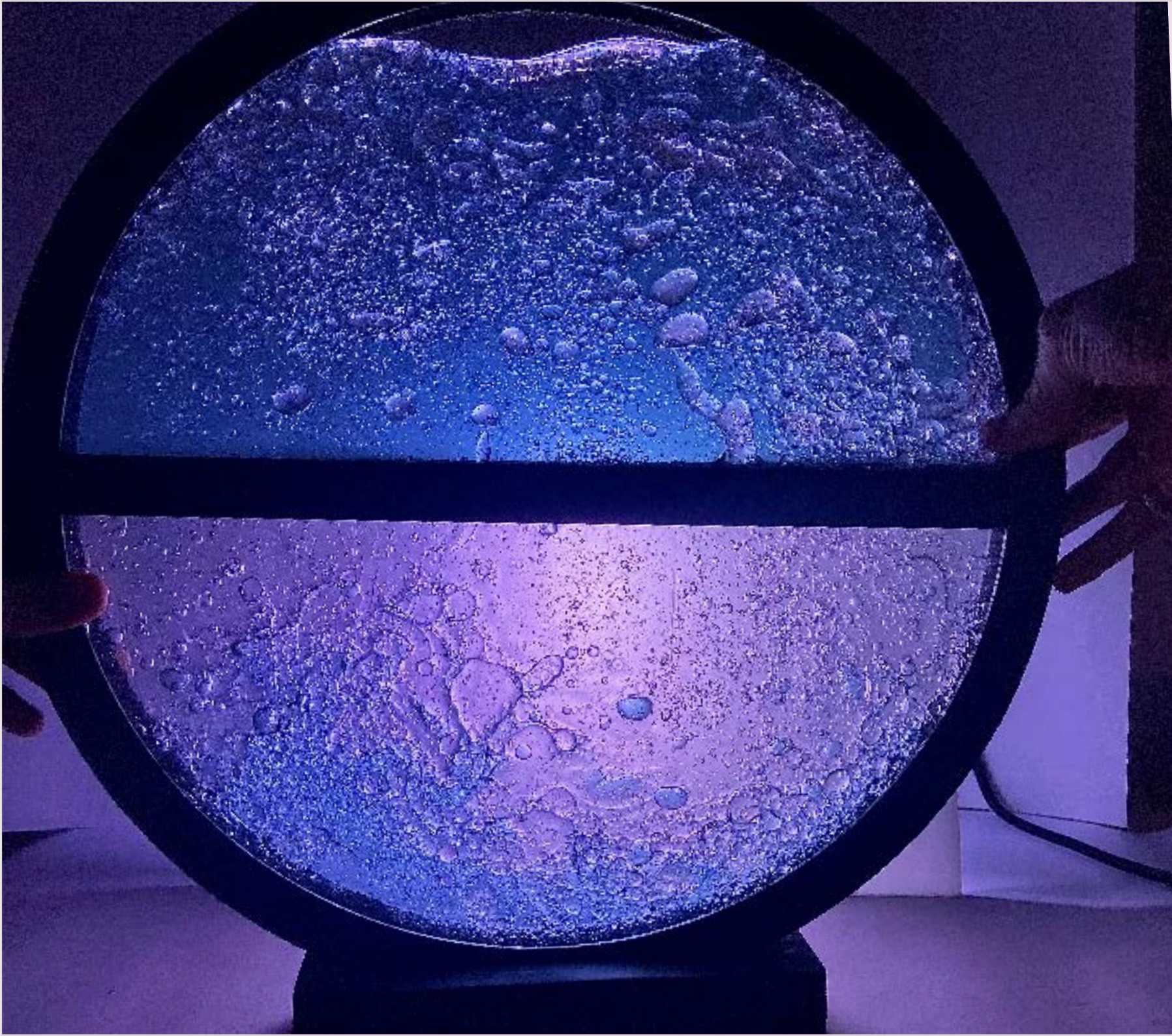
# OVERVIEW

As an engineer focused on product design and marketing, I strive to combine technical precision with a creative, entrepreneurial mindset. My journey has been shaped by solving challenges in both structured engineering projects and strategic marketing. Alongside my technical work, my passion for art and business drives me to explore new ideas and connect with diverse audiences. This blend has led me to work across varied projects, from hands-on design to visual storytelling and managing a digital art business. Each experience has deepened my adaptability, broadened my design thinking, and underscored the importance of empathy and clear communication.

These combined experiences shape my commitment to delivering thoughtful, effective, and unique solutions—always at the intersection of creativity and engineering.



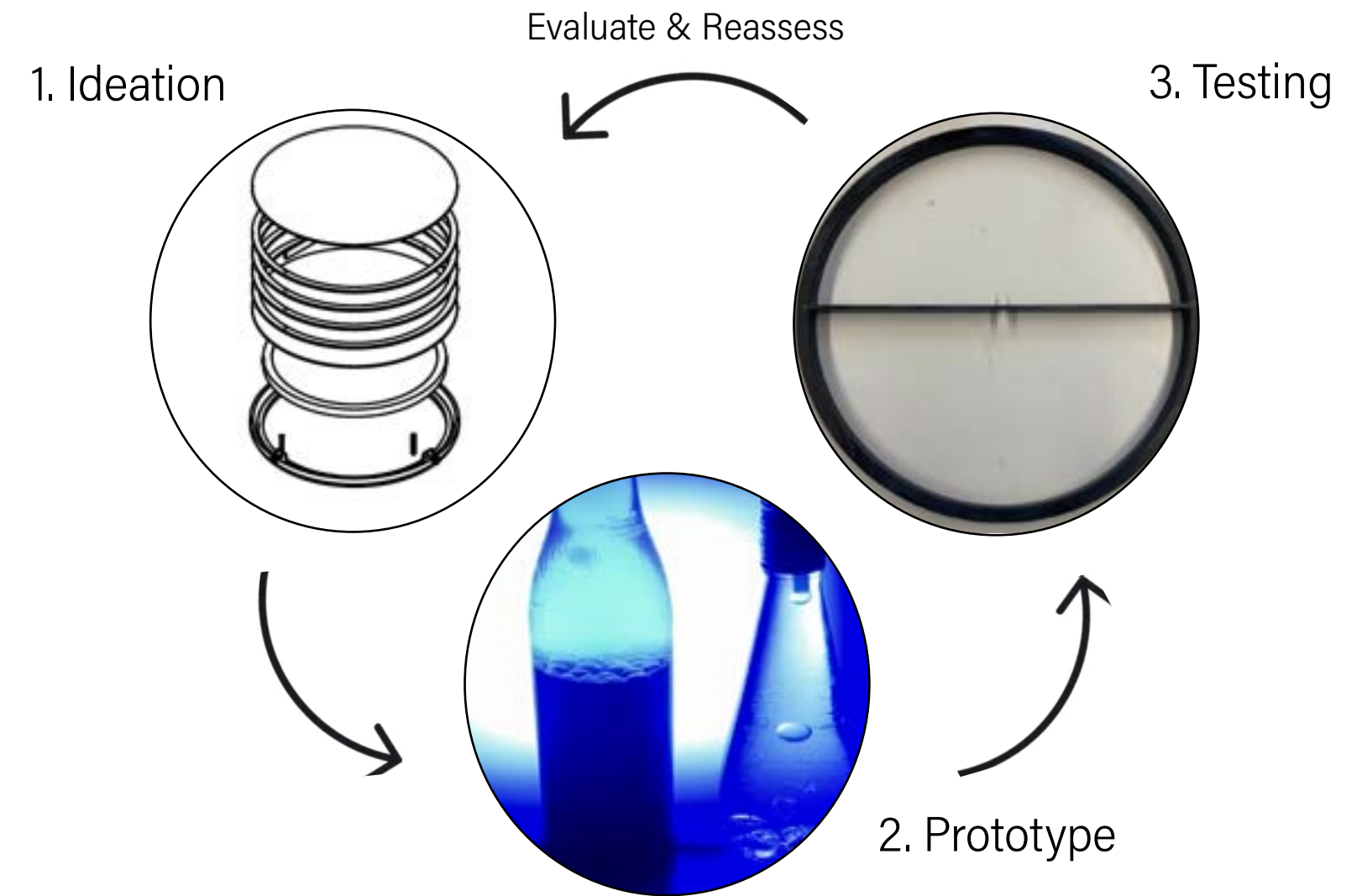
# BREATHHE



a sensory lighting experience for  
public spaces.



Extensive research has shown the impact of sensory lighting in reducing stress and anxiety levels. **Breathe is a sensory light fixture** consisting of two chambers of equal parts water and mineral oil. When turned around, one can observe a range of soothing effects such as crashing wave or a relaxing bubble drop. It can be either on a base or mounted to the wall on a rotating frame. The intention is for the audience to physically interact with it, creating this visual/physical stimulus to achieve a sensory calming effect.



This project was experimental at first; in search for a soothing light effect, I constructed various prototypes to observe this effect in person. I would iterate through ideation (a conceptual idea), to incremental prototyping of the desired effect and finally the testing the refined prototype, evaluating and re-assessing the design based on original ideation.



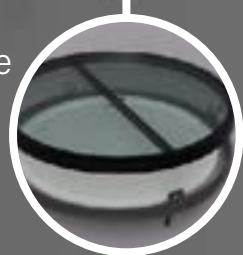
450mm lazy suzan bearing (two concentric rings), inner ring bolted to wall on four fixed points, outer ring is freely rotating



450mm outer diameter black polycarbonate scratchproof Sheet, 5mm thickness - 4 laser cut rings bonded using Tensol glue

450mm diameter clear polycarbonate scratchproof Sheet, 3mm thickness

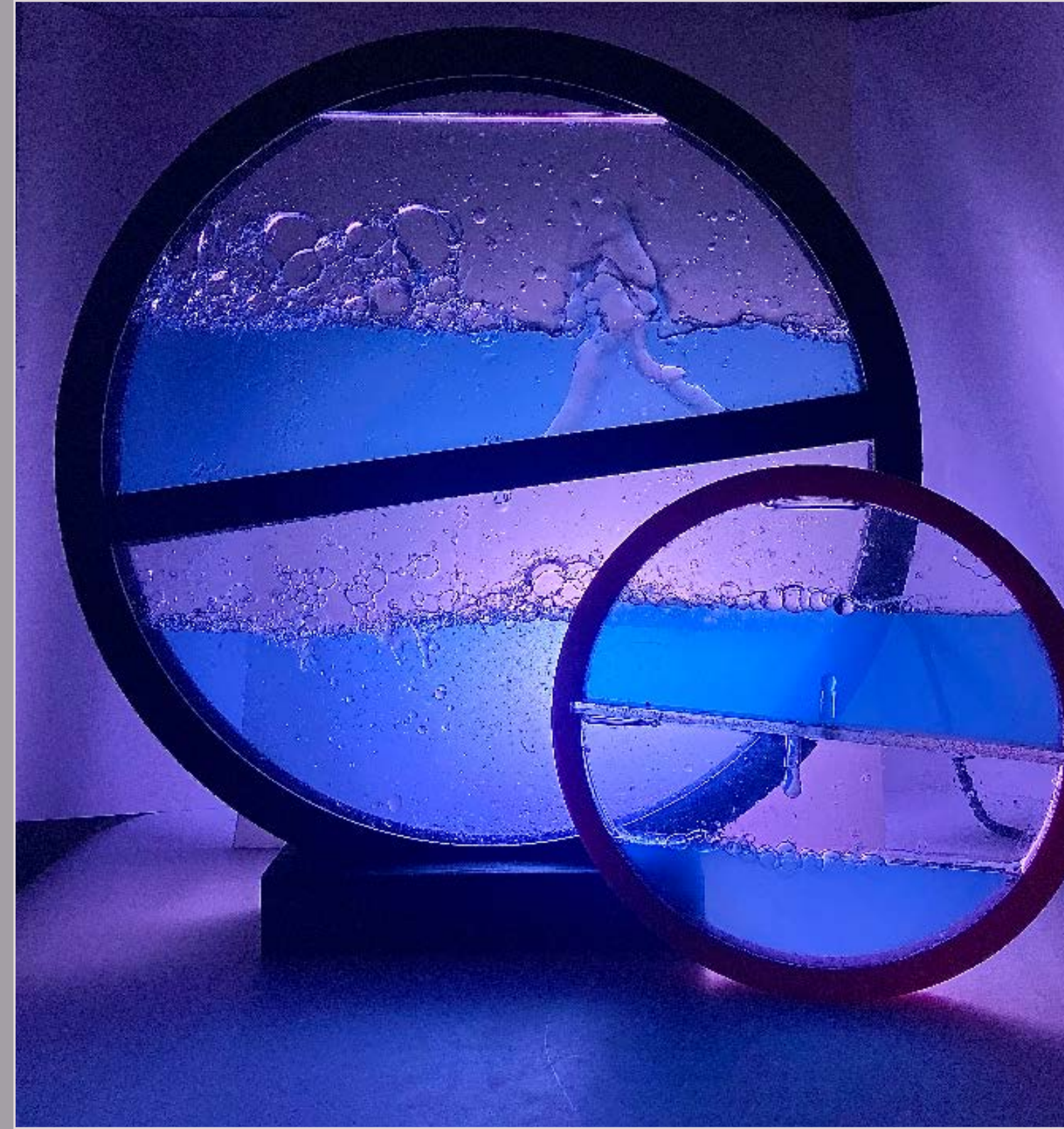
Plastic structure bolted to frame on four fixed points



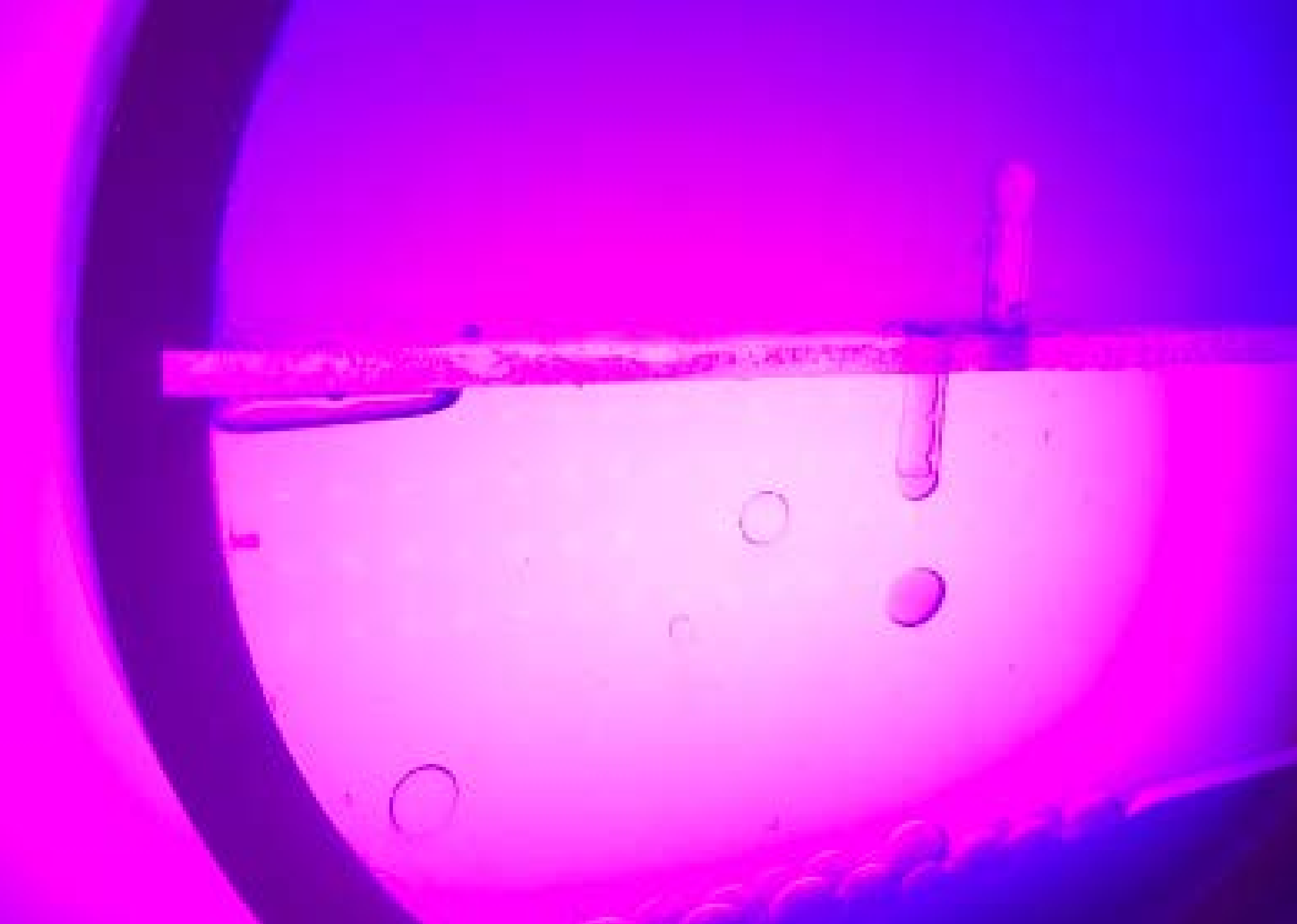
48W Ultrathin LED (400mm diameter), friction fit inside lazy suzan bearing



Rectangular divider with two pipes, one for liquid flowing up, one for liquid flowing down



Breathe sensory light displays are not constrained by one dimension. They can be scaled up or down to any size, and the effect would always be unique. Changing the scale can also shift the context where the light display is found. A larger and immersive version can be placed in public spaces, whereas a smaller and more intimate version could be more suitable for a home environment, where one has more time and freedom to interact with it.





# LOC CARE

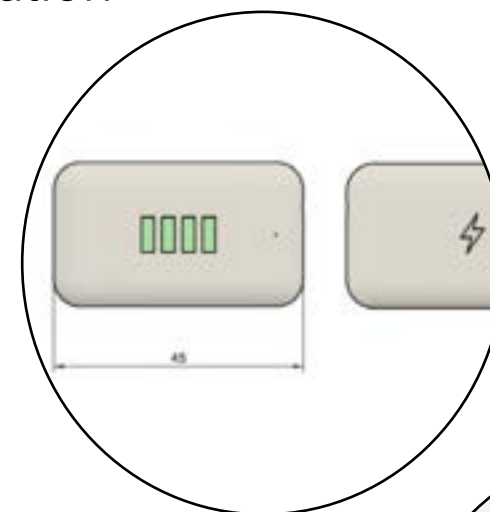


an activity tracker for hip  
replacement patients.

This was a group project in collaboration with orthopaedics company Depuy Synthes. The initial brief was to design an activity tracker for joint replacement patients by focusing on removing the barriers to wearing a tracker.

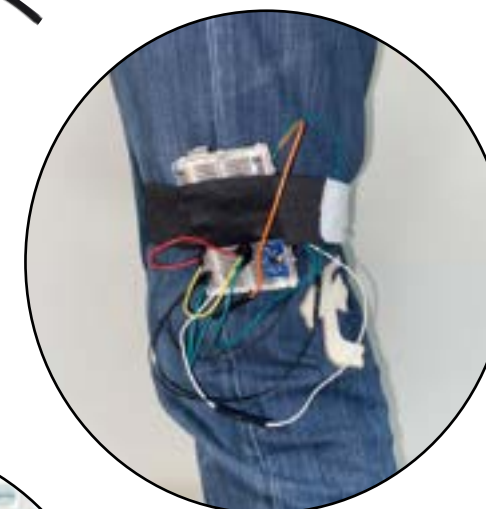


1. Ideation



Evaluate & Reassess

3. Prototyping & Testing

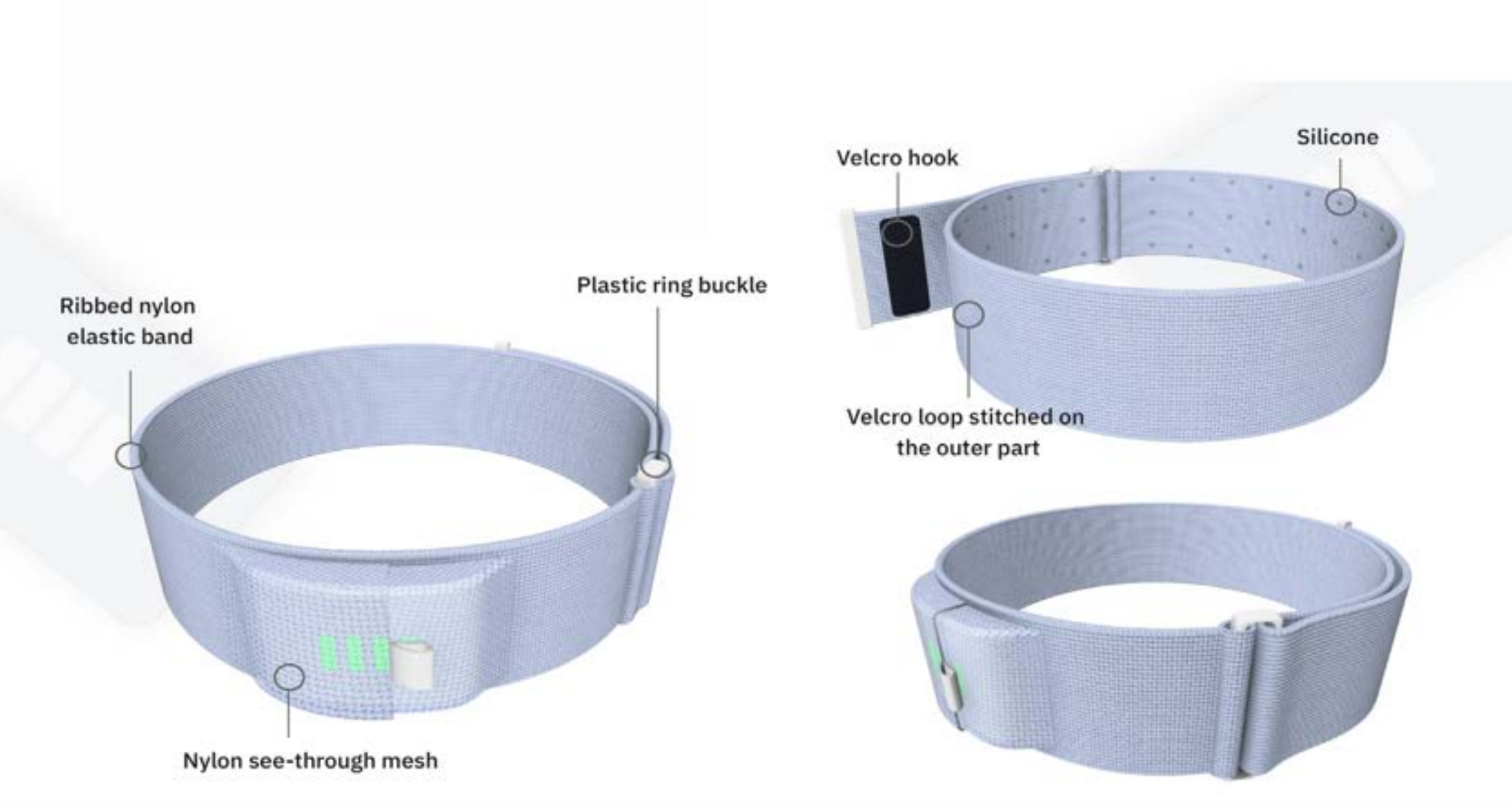


2. User Interviews



Concept development was conducted based on user interviews. A design would be ideated and validated by requesting interviews with hip replacement patients ages 75-79, through identifying their needs and technological barriers to overcome. Important aspects for the elderly patients was that their rehabilitation was closely overlooked by the doctors, so the product was prototyped and iterated based on user needs.



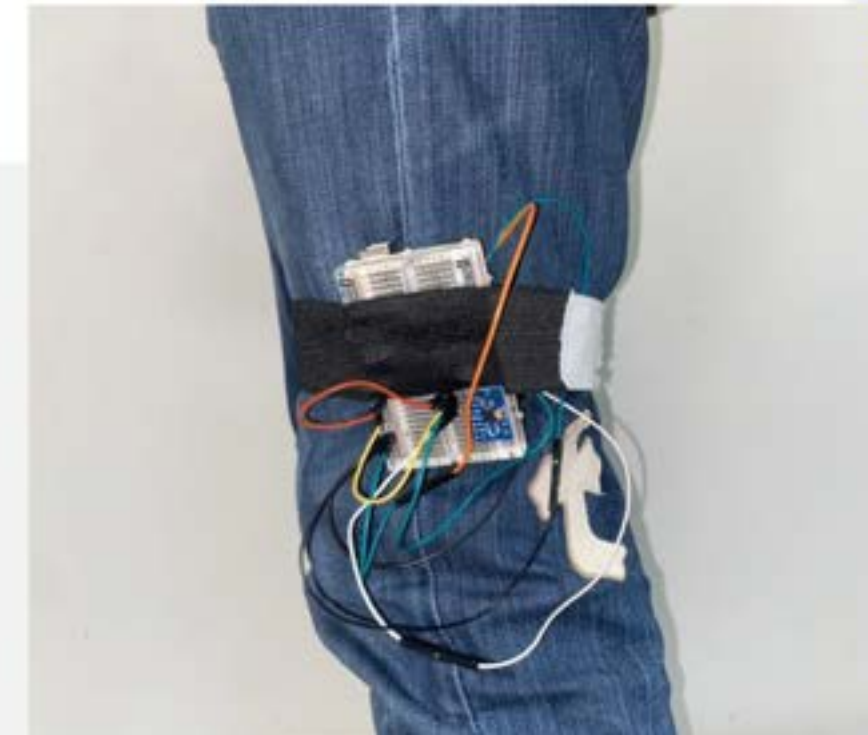
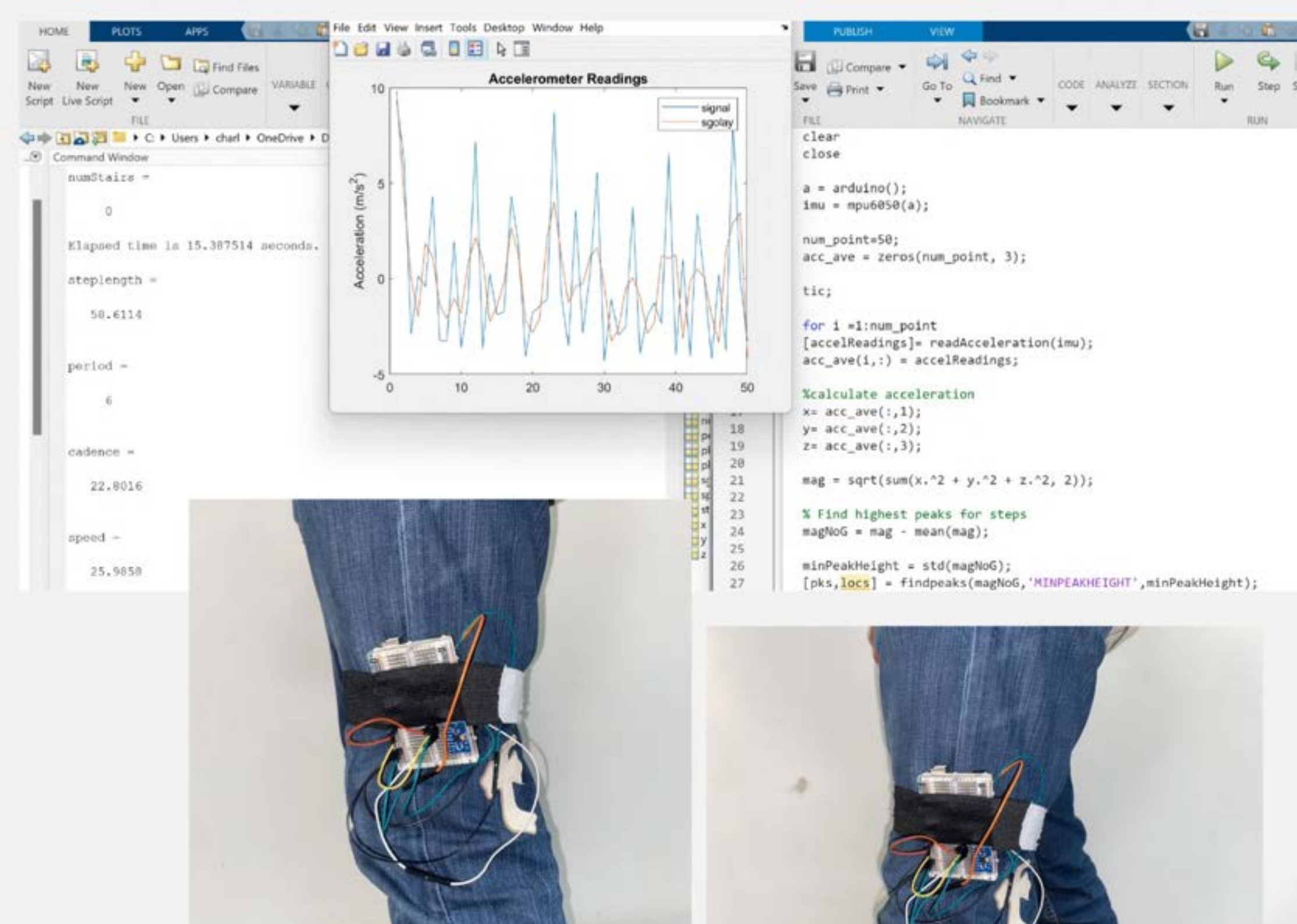


Above are visuals of the final product made with Computer Aided Design (CAD) software. Having an accurate visualization of our product was crucial when communicating with our partner in industries, as well as contacting medical professionals for advice and recommendations. This product visualization also informed the construction of the aesthetic prototype (shown to the right) which was used to aid user interviews and testing.



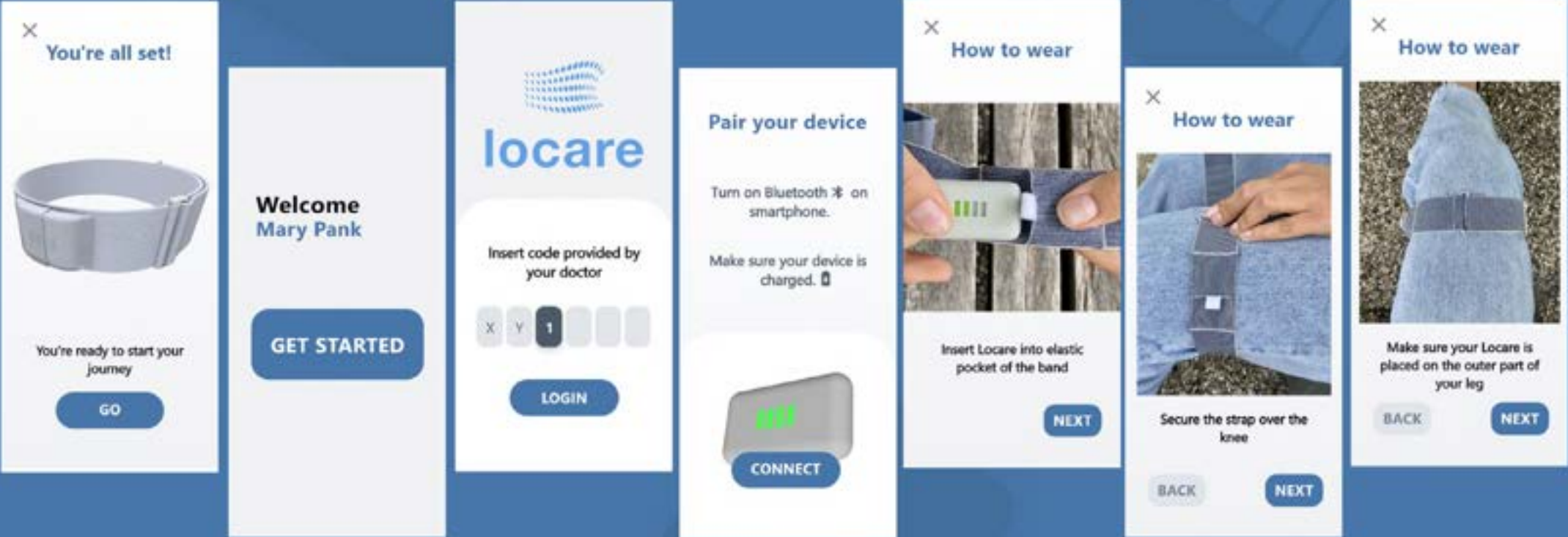


Data collection was tested using an Arduino UNO board connected to MatLab. The acceleration signals are processed, as well as the step count, stair count and cadence. The step length and walking speed was also estimated. This was done via an IMU sensor, with the functional prototype shown to the left.





# Patient App



LOCARE & DEPUY SYNTHES

# Doctor Platform



LOCARE & DEPUY SYNTHES

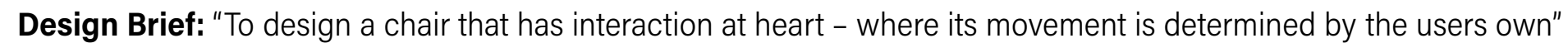
The Locare activity tracker works in tandem with a patient app, of which the design is accustomed to the needs of the patients, so is therefore very intuitive to use. On the other hand, the doctor platform allows for doctors to remotely track a variety of patients recovery via the analysis of gait symmetry, step length, stair count etc. The following are UI/UX mock ups of what the interface would look like, and was also used in the user interviews, to aid their understanding of the product.

an interactive seating experience.

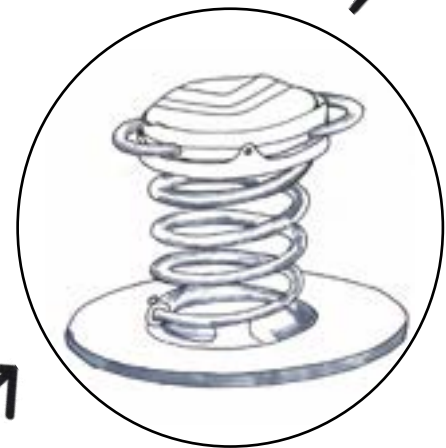


MOILLA

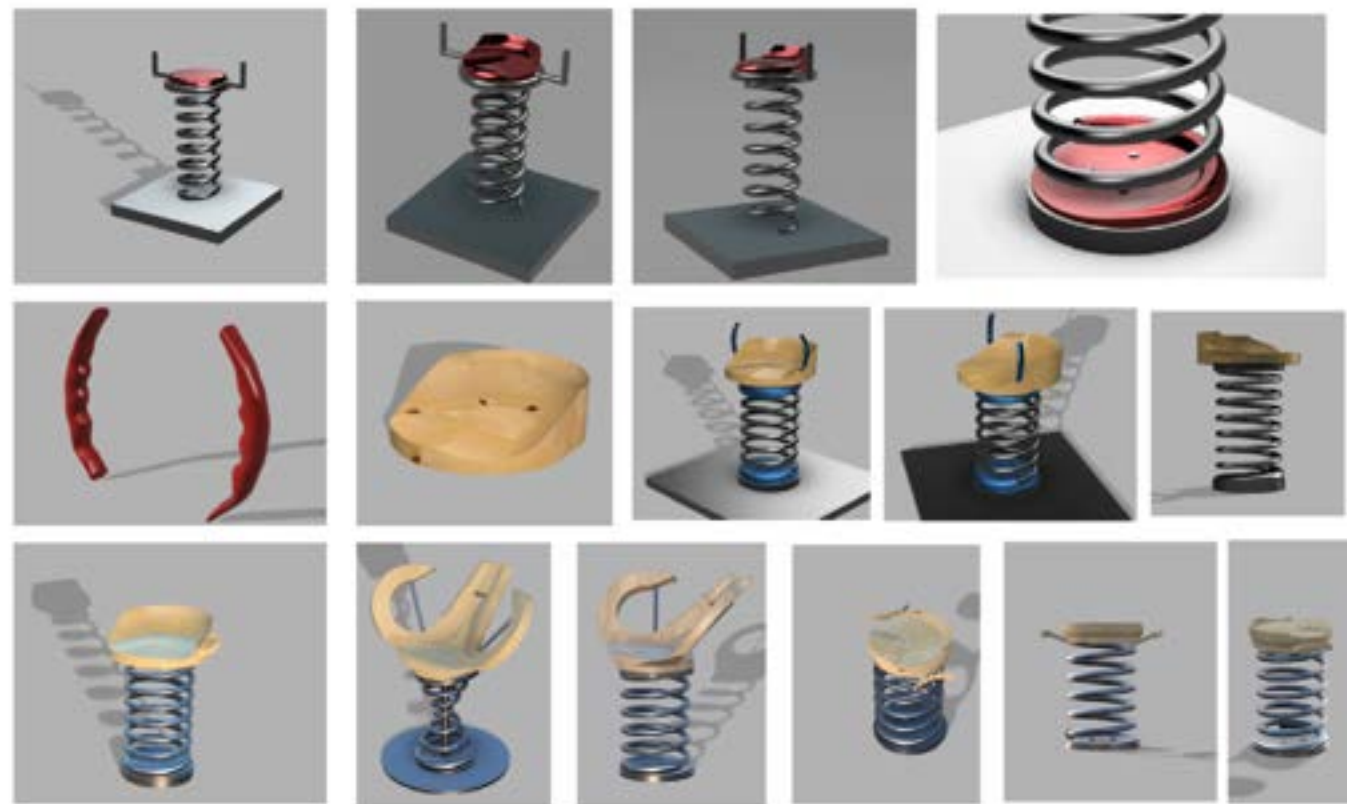




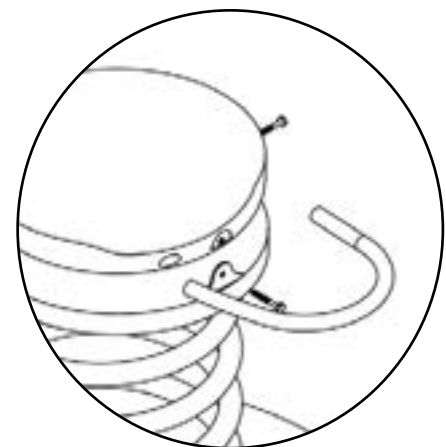
## 1. Ideation



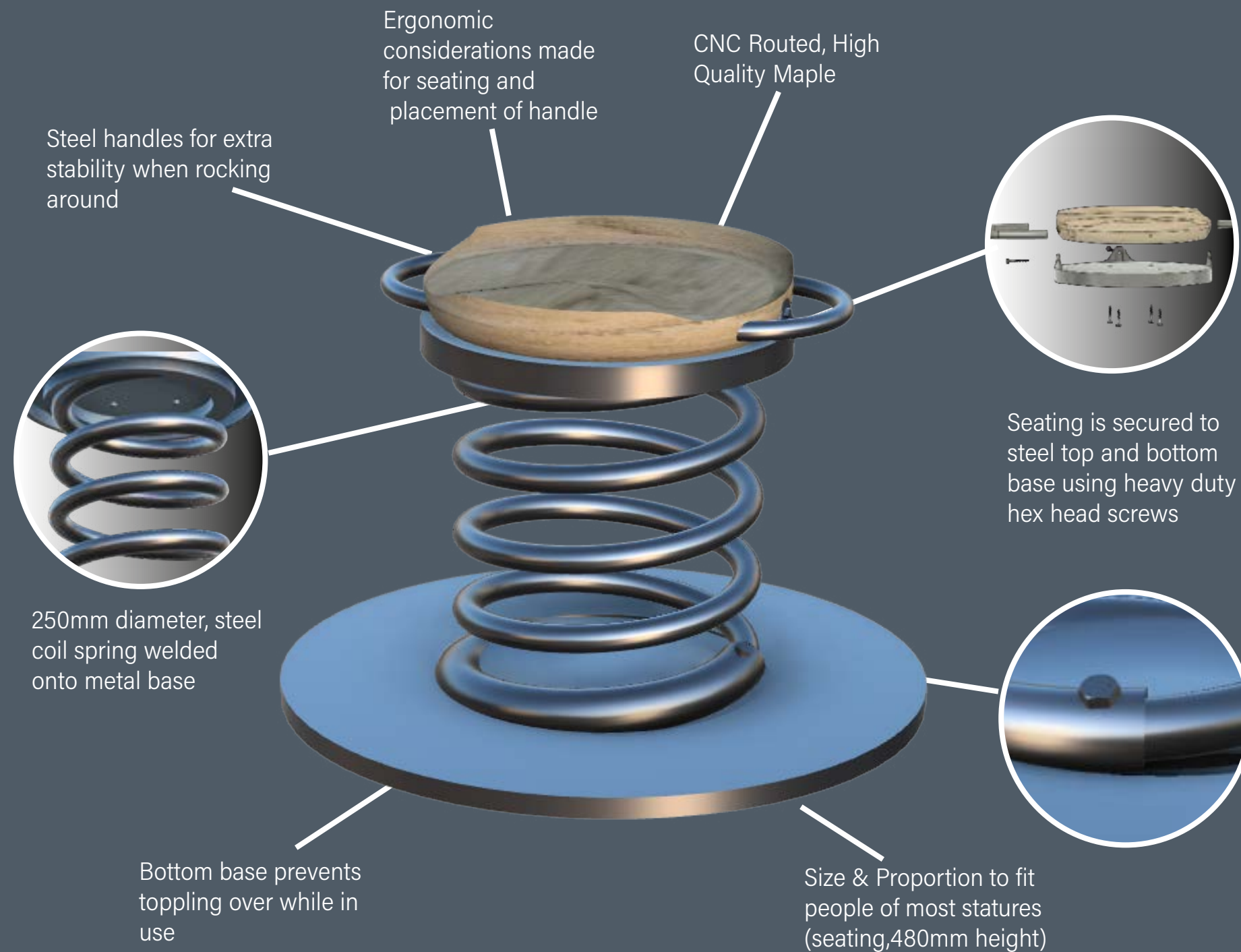
## 2. Prototype



## 3. Test



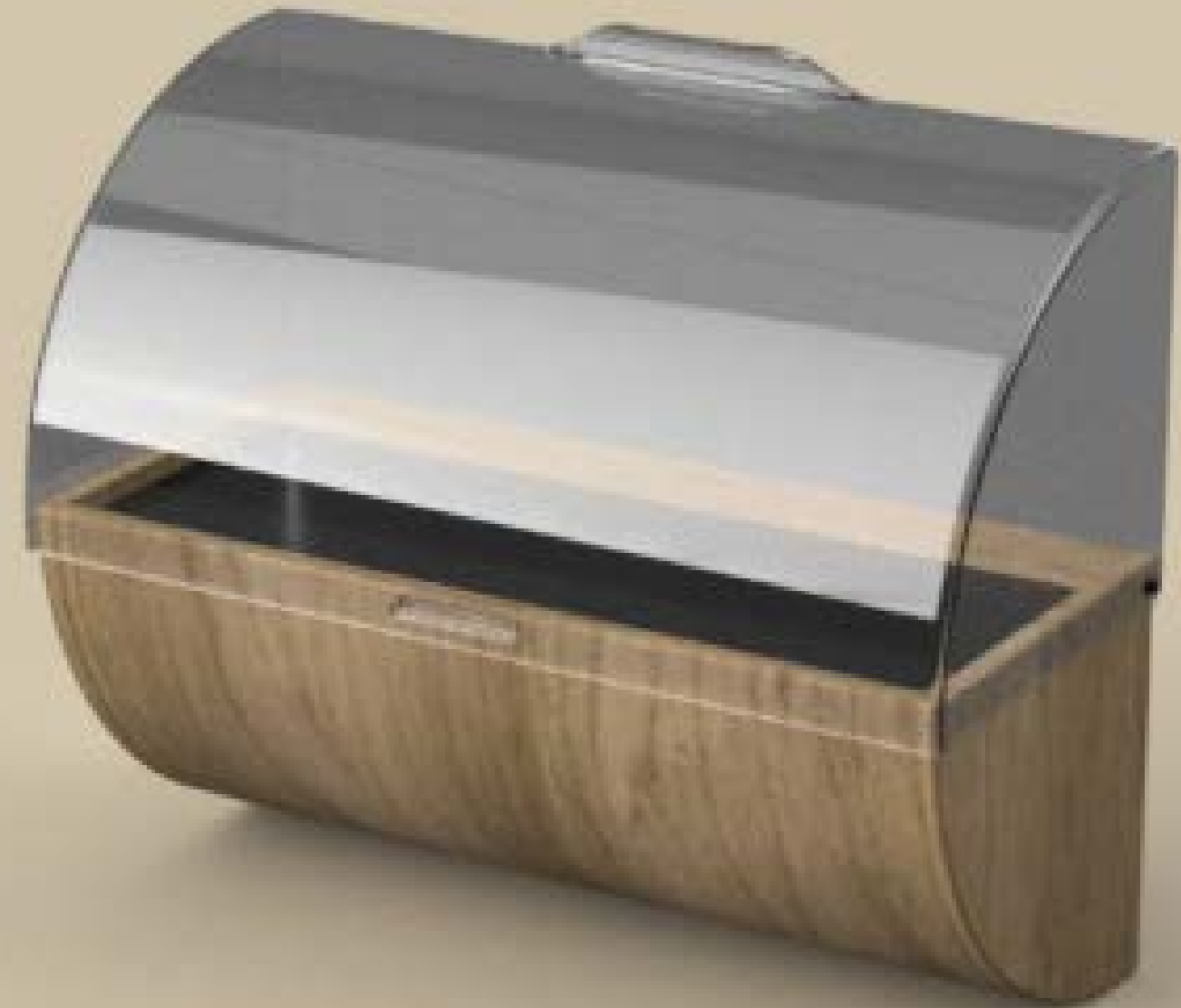
Concept development - iteration through sketching, CAD modelling and engineering drawing. Adhering to the design thinking process I would ideate (1), learn from prototypes (2) evaluate through testing (3), and reassess.







a seedling planter for harsh  
climates.



SAFE SOIL

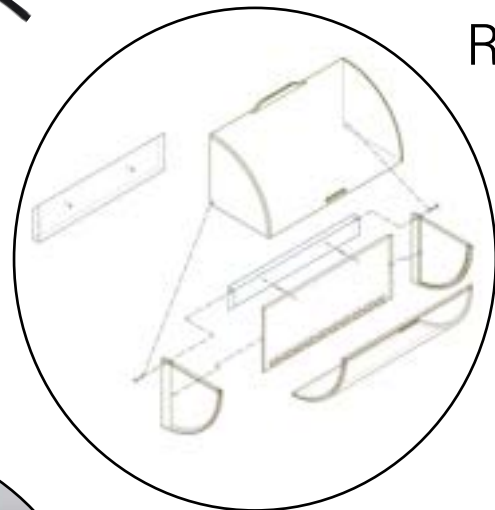




1. Ideate



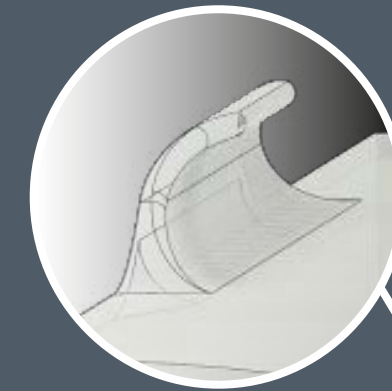
3. Group Evaluate & Reassess



2. Prototype & Testing



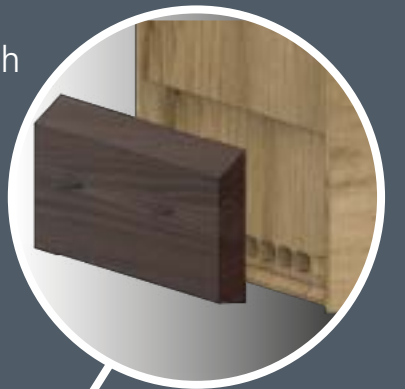
In the context of cooperative design, concept development is iterative with an additional layer of feedback/critique. Very technical in the final stages, involving an opening and closing mechanism. When a member suggested a tweak (1), it would be modelled on CAD or a hands on prototype (2), to then be evaluated and reassessed as a group (3).



Vacuum formed PETG plastic, picked for its durability & resistance

Visor pivots 90 degrees around hinges

Installed using pre-drilled french cleat



Drainage holes with mesh covers on the inside

9mm CNC routed plywood with hydrophobic ceramic coating

When put up, notch on plastic visor locks into wooden groove.







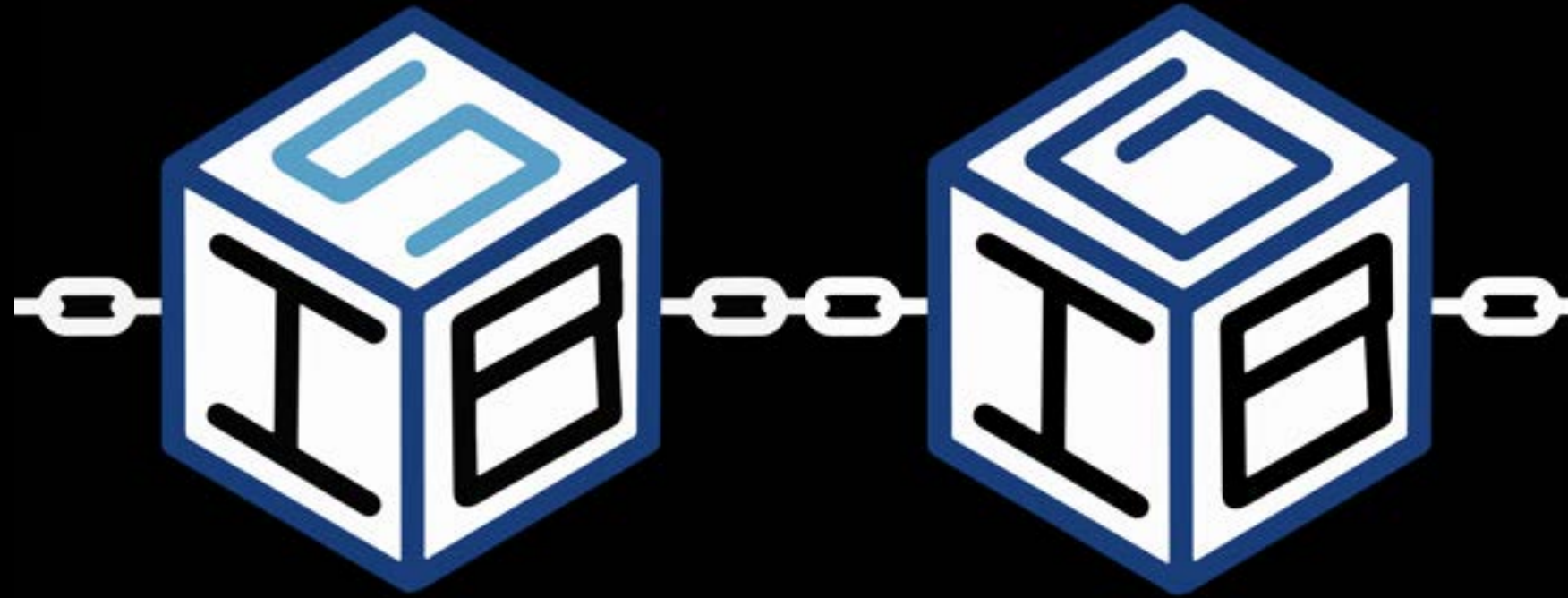


# LOGO

As a freelance logo designer, I've collaborated with startups to build strong brand identities.

Most recently, I had the opportunity to work with DeltaPay, a secure payments startup based in Eswatini that is actively operating and planning expansion across other African countries. Beyond logo design, I developed a range of marketing materials—including flyers, brochures, and billboards—tailored to different cultural contexts. This experience taught me how cultural nuances shape brand perception, allowing me to adapt strategies to resonate with diverse audiences in a rapidly growing market.





Empowering students one block at a time.

Imperial Blockchain Society

DELTA PAY™



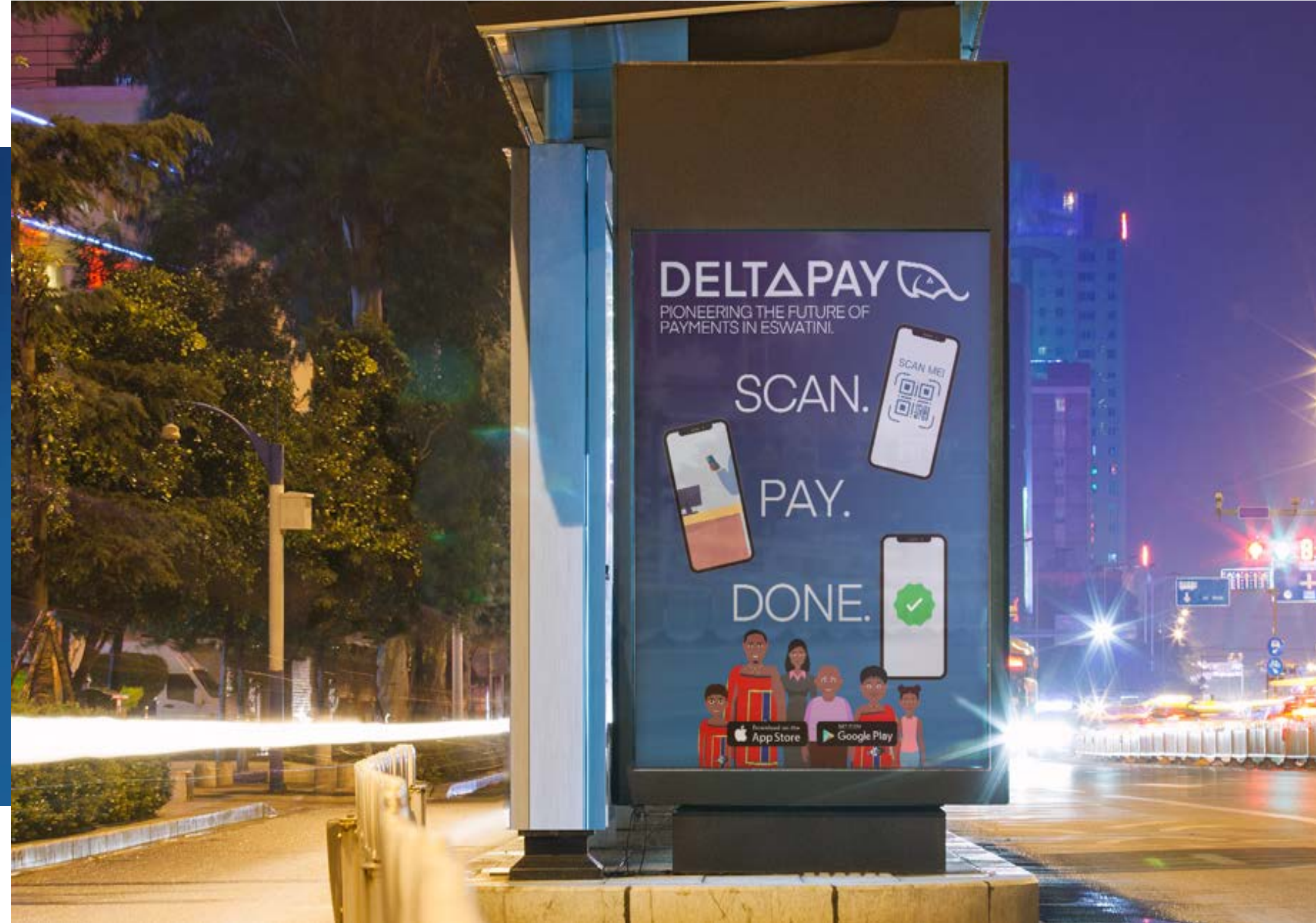
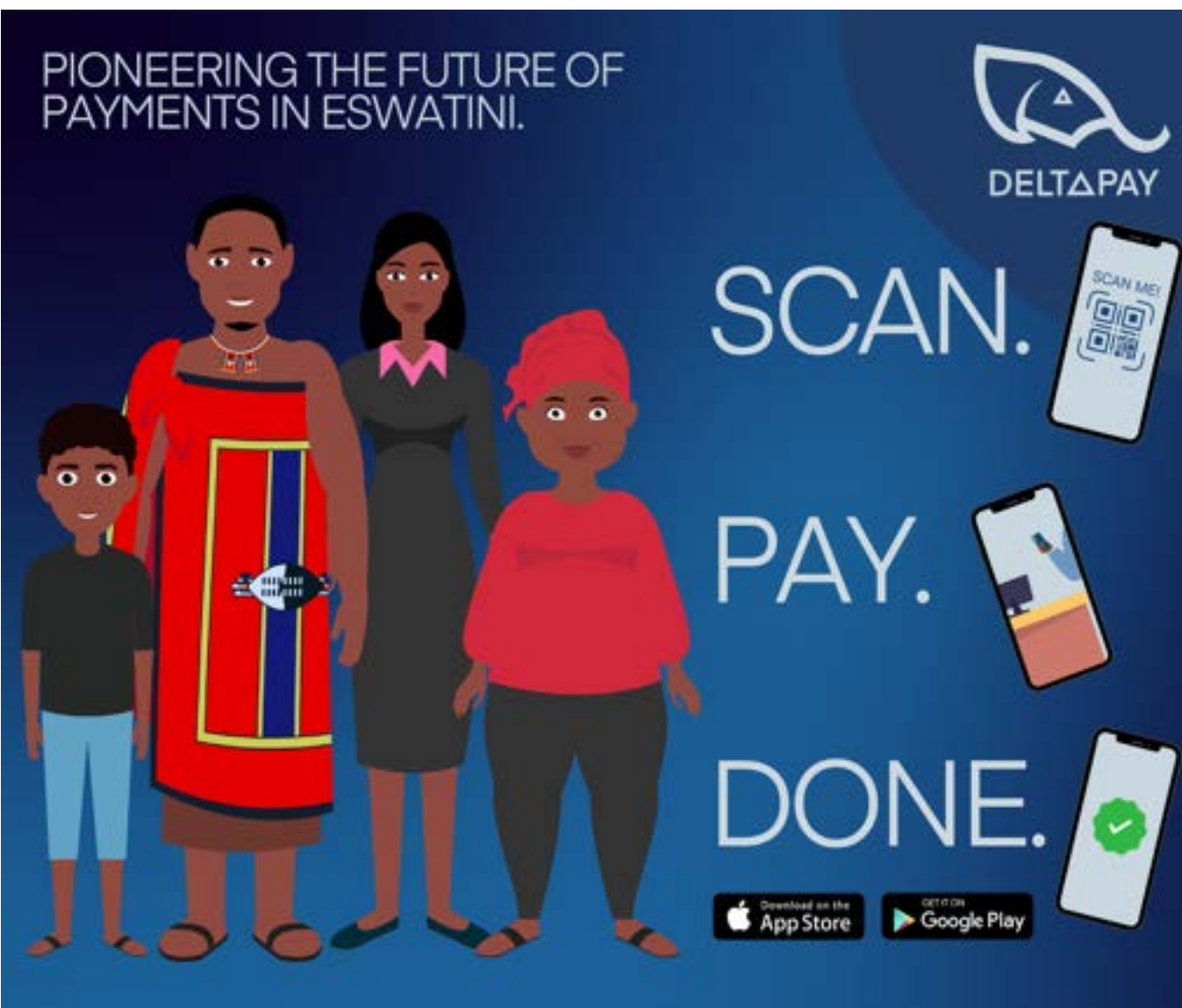
DELTA PAY™

DELTA PAY™



DELTA PAY™







In the past three years, I've developed a strong passion for painting and have been fortunate enough to sell my personal art. This journey has also led me to exhibit my work, including most recently at Kunst in Reinach 2024.

ART





Kunst in Reinach 2024



"In My Head"  
Acrylic paint on canvas,  
100x120 cm  
2021





"Mr. Bozos"  
Acrylic paint on canvas,  
100x80 cm  
2022



"Taxi Driver"  
Acrylic paint on canvas,  
100x80 cm  
2022





"Tweety"  
Acrylic paint on canvas,  
120x100 cm  
2022



# BUSINESS

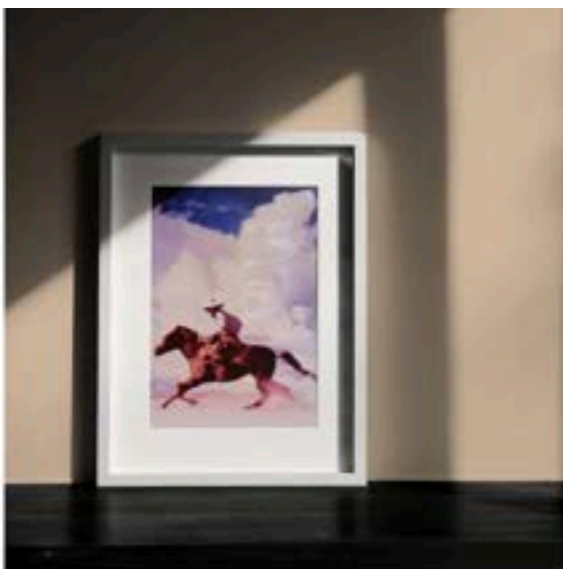
In the past year, I was fortunate enough to turn my passion for art into a digital business, TheFactorybyEdo.

What began as a small venture has grown to serve over 1,600 customers in 50+ countries.

This experience has given me valuable insights into areas like SEO & customer centric marketing.

I've also been able to implement AI automation and collaborate with third-party suppliers to streamline logistics and scale efficiently.

Each step has taught me new skills and deepened my understanding of what it takes to run a successful creative business.



**TheFactoryByEdo**  
Eclectic Wall Art for the Modern Mindset  
New York, United States

**Star Seller** 1,646 Sales ★★★★★

TheFactoryByEdo is a Star Seller!



**Smooth dispatch**  
Has a history of dispatching on time with tracking.



**Speedy replies**  
Has a history of replying to messages quickly.



**Rave reviews**  
Average review rating is 4.8 or higher



**E.Q. Studios**  
Contact







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